



10-05-04

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Respectfully submitted;

Applicant: David L. Neary

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Date: October 4, 2004

Serial Number: 10 / 743,505

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Filed: December 22, 2004

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Title: Power Cogeneration System And
Apparatus Means for Improved High
Thermal Efficiencies and Ultra- Low
Emissions

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Granted Make Special Petition: dated 09/15/2004

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Commissioner of Patents, Group TC3700

P.O. Box 1450

Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

Dear Sir:

As the applicant, I am requesting the opportunity under §37 C.F.R. 1.115 to submit the following amendments that hopefully will overcome some common Office Actions objections that I have received recently on two separate and previously submitted applications, now under Office Action response phases.

One (1) "marked-amended copy" and one (1) "clean copy" of each amended document are attached.

Prior to an Examiner's Office Action or Review of the application in accordance with §37 C.F.R. 1.115, please accept the attached amendments to the above-identified application's Abstract, Specifications and Claims typical changes as further described on following page 2.

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As noted on page 1, the attached amendments to the above-identified application's Abstract, Specifications and Claims incorporate changes including:

1. Amended Abstract (§37 C.F.R. 1.72) has been shortened to more briefly state the nature and gist of the technical disclosure.
2. Amended Specification changes include:
 - (a) Repositioning of paragraphs within the Specification' 'Background' section, and deleting or changing words for grammar purposes, improved readability and technical understanding, etc.
 - (b) Changes in phraseology to assist the examiner in fully understanding the application's method of converting gas or liquid fuels into power energy, employing a controlled hydrocarbon oxy-fuel combustion method wherein a controlled low oxy-fuel combustion chamber equilibrium temperature is achieved at the speed of light (186,000 miles/second), thereby eliminating production of NOx and Carbon Monoxide exhaust emissions.
 - (c) Changes to apparatus device designation names to better denote the differences between a common conventional apparatus device, and one or more presented alternative apparatus assemblies collectively performing the same function, (i.e.) "gas turbine" is amended to "gas turbine power engine unit", versa other described "power engine unit" apparatus configurations performing the same function.
 - (d) The word "combustion chamber" has been applied throughout the section and claims, wherein the combustion containment means is significantly pressurized (as in a power engine unit), and the word "combustion burner" has been applied strictly to a combustion

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containment device whose internal pressure is slightly above atmospheric pressure.

Previously, these two terms were often used interchangeably, thereby creating confusion.

(e) Example minor changes in phraseology "recycled gas" to "recycle gas", "recycle compressor" to "recycle gas compressor", "power cogeneration system" to "power cogeneration method system", etc.

(f) Deletion of significant text pertaining to apparatus assembly devices (and system method gas streams) being monitored for safety and system control in accordance with specific cited stated industry codes and practices, since such compliance is not acceptably specific and detailed enough to make reference to in the submitted claims.

(g) Deletion of 'Background' reference to other applicant pending applications, supportive of the presented cogeneration method system.

3. Amended Claim changes include those deemed appropriate in an attempt to avoid previous submitted applications' use of:

(a) Claims containing "numerous informalities that are narrative in form and replete with indefinite and functional or operational language"

(b) Claims without proper 'antecedents'

(c) Incorrect punctuation at end of claim sentences, etc.

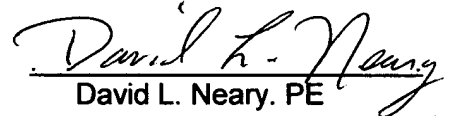
4. Amended Claim changes include those of phraseology deemed appropriate in an attempt to adequately describe the application's method system of converting gas or liquid fuels into power & heat energy, employing the presented power cogeneration cycle method.

The unique cogeneration method system will provide the means by which medium to large size US commercial, governmental, or industrial facilities can reduce their annual electric power/heating /air-conditioning energy costs by over 40%, and environmental emission reductions by greater than 98%.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is, on the date shown below being deposited with the United States Postal Service in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 in accordance with 37 C.F.R. §1.10 as "Express Mail Post Office to Addressee" with sufficient postage as Express Mailing Label No. ER 828252054 US.

Date: October 4, 2004


David L. Neary. PE